



14P3 Rec'd PCT/PTO 03 MAR 2006

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicants: Valluzzi, R. <i>et al.</i> | Atty. Docket No.: TUV-031.01 |
| Application No.: 10/533,611 | Examiner: <i>Not Yet Assigned</i> |
| Filing Date: April 29, 2005 | Group Art Unit: <i>Not Yet Assigned</i> |
| Title: <i>Templated Native Silk Smectic Gels</i> | |

CERTIFICATE OF FIRST-CLASS MAILING

I hereby certify that this "Information Disclosure Statement" is being deposited with the U. S. Postal Service as First Class Mail on the date set forth below in a postage-prepaid envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 1, 2006
Date of Signature and Mail Deposit

By: 
Katelyn Nelson

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
BASED ON INTERNATIONAL SEARCH REPORT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO/SB/08b, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of references AA – AF enclosed herein.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO/SB/08b, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

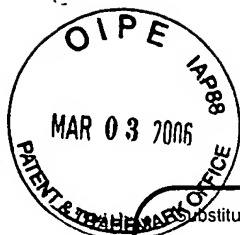
- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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PTO/SB/08b(08-03)

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT BASED ON ISR (Use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/533,611 | | |
| | | Filing Date | April 29, 2005 | | |
| | | First Named Inventor | Valluzzi, Regina | | |
| | | Art Unit | Not Yet Assigned | | |
| | | Examiner Name | Not Yet Assigned | | |
| Sheet | 1 | | 1 | Attorney Docket Number | TUV-031.01 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | AA | AYUB, Z. H. et al., "Mechanism of the Gelation of Fibroin Solution", <i>Biosci. Biotech. Biochem.</i> , 57(11):1910-1912 (May 24 1993). | |
| | AB | BUNNAK, J. et al., "Study on Antibacterial Activity of Hydrogel from Irradiated Silk Protein", <i>JAERI Conf.</i> , 117-129 (2001) (Abstract). | |
| | AC | DINERMAN, A. A. et al., "Swelling behavior of a genetically engineered silk-elastinlike protein polymer hydrogel", <i>Biomaterials</i> , 23:4203-4210 (2002). | |
| | AD | JIN, H.-J. et al., "Biomaterial Films of <i>Bombyx Mori</i> Silk Fibroin with Poly(ethylene oxide)", <i>Biomacromolecules</i> , 5:711-717 (2004). | |
| | AE | ZHANG, Y.-Q., "Applications of natural silk protein sericin in biomaterials", <i>Biotechnology Advances</i> , 20:91-100 (2002). | |
| | AF | International Search Report dated July 2, 2004. | |
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|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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